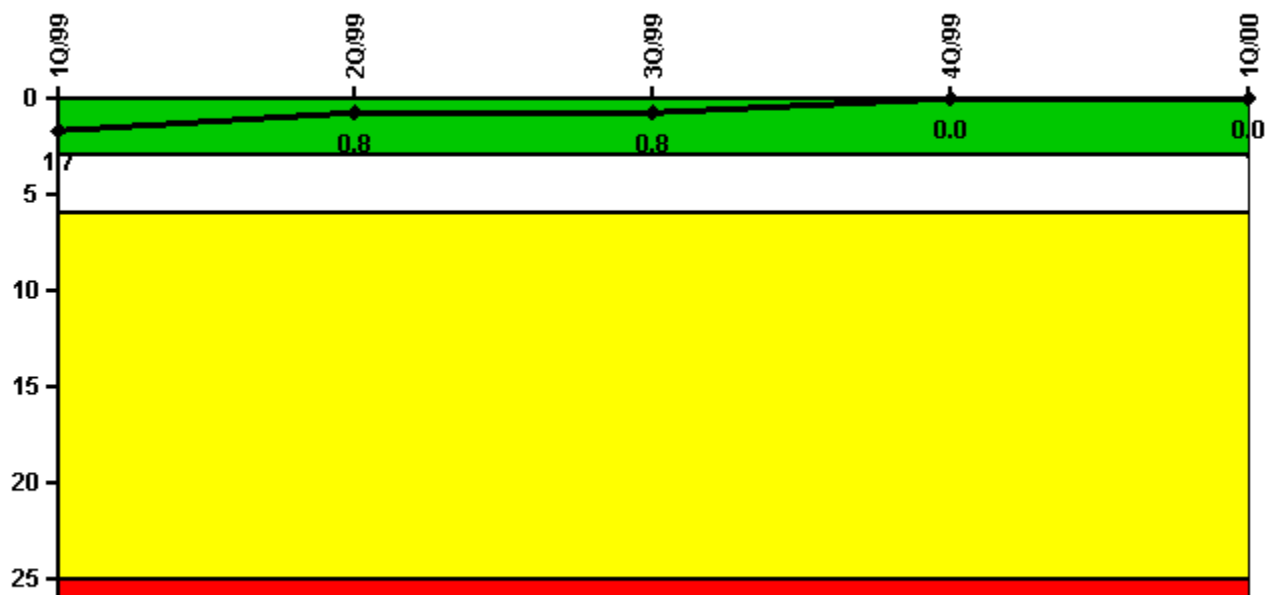


## Robinson 2

## 1Q/2000 Performance Indicators

Licensee's General Comments: none

## Unplanned Scrams per 7000 Critical Hrs



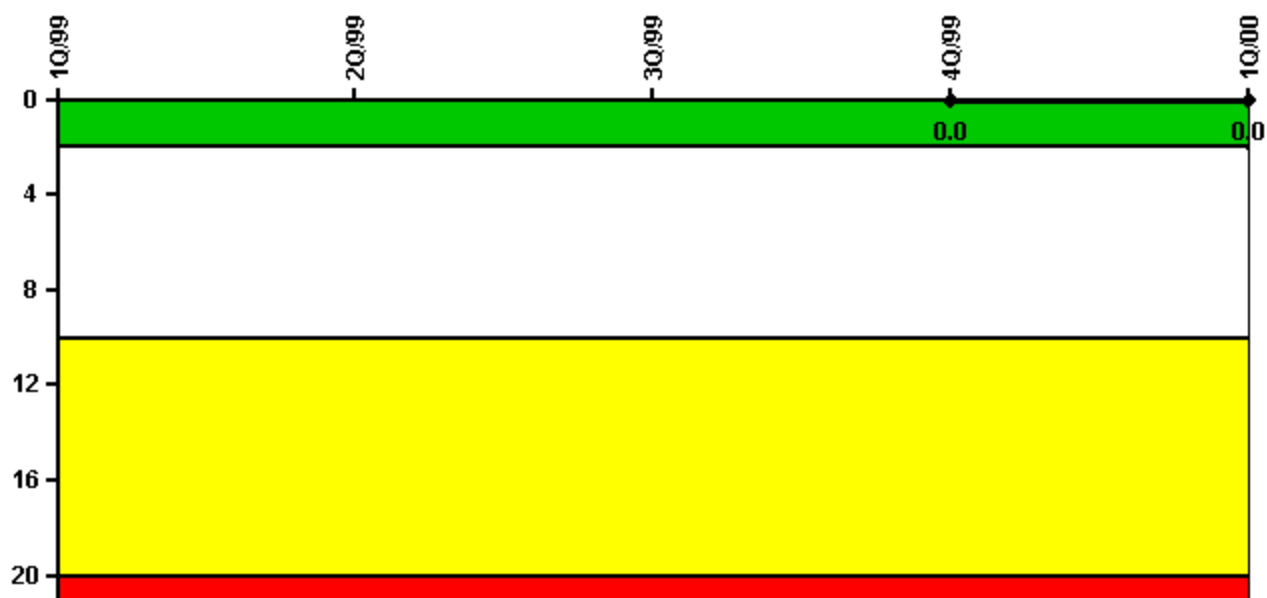
Thresholds: White &gt; 3.0 Yellow &gt; 6.0 Red &gt; 25.0

## Notes

| Unplanned Scrams per 7000 Critical Hrs | 1Q/99  | 2Q/99  | 3Q/99  | 4Q/99  | 1Q/00  |
|--|--------|--------|--------|--------|--------|
| Unplanned scrams                       | 0      | 0      | 0      | 0      | 0      |
| Critical hours                         | 2130.3 | 2183.0 | 2064.0 | 1662.0 | 2184.0 |
|  |        |        |        |        |        |
| Indicator value                        | 1.7    | 0.8    | 0.8    | 0      | 0      |

Licensee Comments: none

### Scrams with Loss of Normal Heat Removal



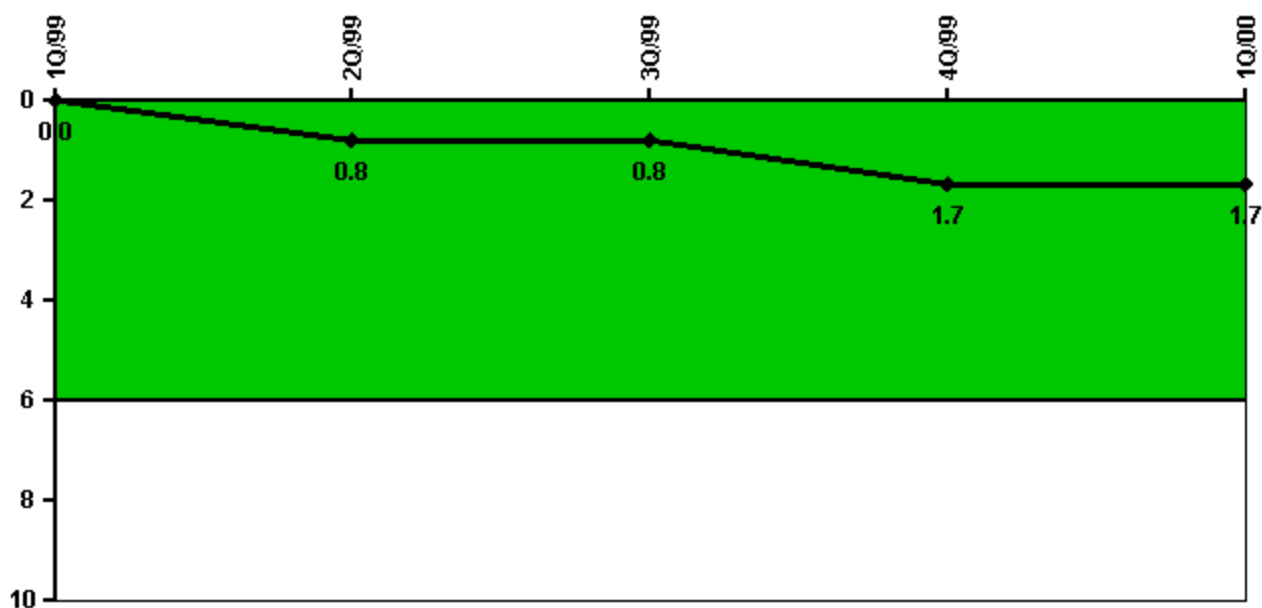
Thresholds: White > 2.0 Yellow > 10.0 Red > 20.0

#### Notes

| Scrams with Loss of Normal Heat Removal | 1Q/99 | 2Q/99 | 3Q/99 | 4Q/99 | 1Q/00 |
|---|-------|-------|-------|-------|-------|
| Scrams                                  | 0     | 0     | 0     | 0     | 0     |
|   |       |       |       |       |       |
| Indicator value                         |       |       |       | 0     | 0     |

Licensee Comments: none

### Unplanned Power Changes per 7000 Critical Hrs



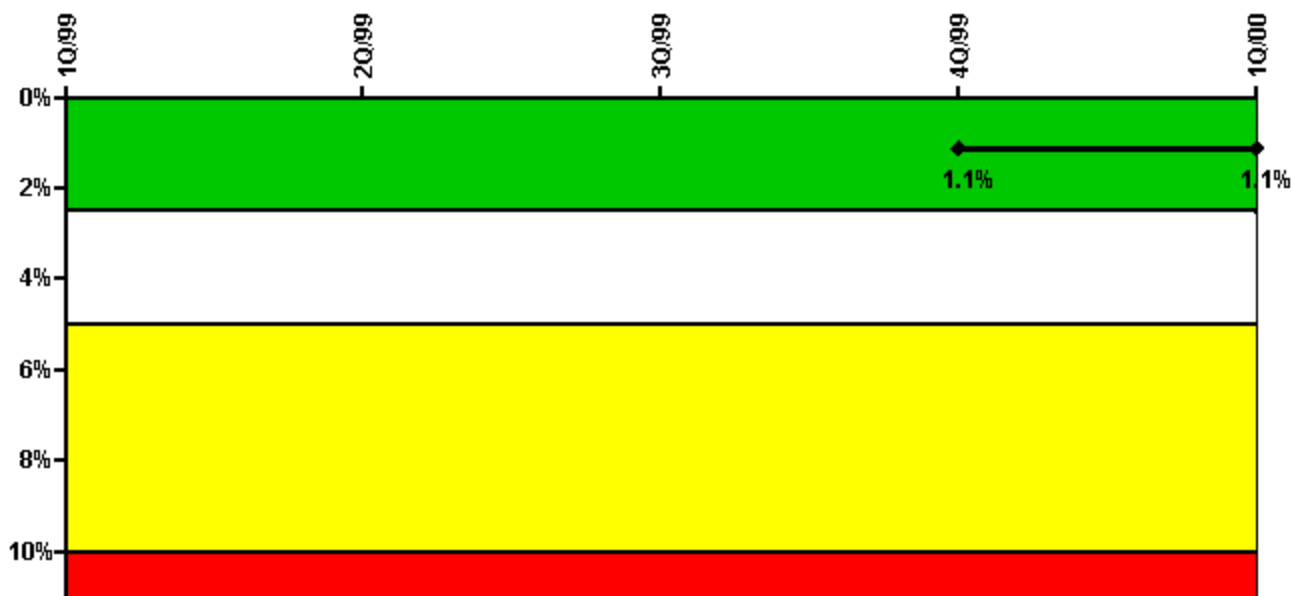
Thresholds: White > 6.0

#### Notes

| Unplanned Power Changes per 7000 Critical Hrs | 1Q/99  | 2Q/99  | 3Q/99  | 4Q/99  | 1Q/00  |
|---|--------|--------|--------|--------|--------|
| Unplanned power changes                       | 0      | 1.0    | 0      | 1.0    | 0      |
| Critical hours                                | 2130.3 | 2183.0 | 2064.0 | 1662.0 | 2184.0 |
|   |        |        |        |        |        |
| Indicator value                               | 0      | 0.8    | 0.8    | 1.7    | 1.7    |

Licensee Comments: none

## Safety System Unavailability, Emergency AC Power



Thresholds: White > 2.5% Yellow > 5.0% Red > 10.0%

### Notes

| Safety System Unavailability, Emergency AC Power | 1Q/99   | 2Q/99   | 3Q/99   | 4Q/99       | 1Q/00       |
|--|---------|---------|---------|-------------|-------------|
| <b>Train 1</b>                                   |         |         |         |             |             |
| Planned unavailable hours                        | 96.60   | 0       | 21.20   | 0           | 17.50       |
| Unplanned unavailable hours                      | 19.30   | 0       | 3.10    | 0           | 0           |
| Fault exposure hours                             | 0       | 0       | 0       | 0           | 0           |
| Effective Reset hours                            | 0       | 0       | 0       | 0           | 0           |
| Required hours                                   | 2160.00 | 2183.00 | 2208.00 | 2209.00     | 2184.00     |
| <b>Train 2</b>                                   |         |         |         |             |             |
| Planned unavailable hours                        | 84.90   | 4.10    | 9.60    | 0           | 9.90        |
| Unplanned unavailable hours                      | 0       | 0       | 0       | 0           | 0           |
| Fault exposure hours                             | 0       | 0       | 0       | 0           | 0           |
| Effective Reset hours                            | 0       | 0       | 0       | 0           | 0           |
| Required hours                                   | 2160.00 | 2183.00 | 2208.00 | 2209.00     | 2184.00     |
|  |         |         |         |             |             |
| <b>Indicator value</b>                           |         |         |         | <b>1.1%</b> | <b>1.1%</b> |

### Licensee Comments:

1Q/00: Reviews are in progress to assure that Safety System Unavailability data fully conforms to NEI 99-02, Rev. 0. Data corrections, if needed, will be submitted in accordance with NEI 99-02.

2Q/99: Hours Train Required revised by one hour to correctly reflect transition to daylight savings time.

## Safety System Unavailability, High Pressure Injection System (HPSI)



Thresholds: White > 1.5% Yellow > 5.0% Red > 10.0%

### Notes

| Safety System Unavailability, High Pressure Injection System (HPSI) | 1Q/99   | 2Q/99   | 3Q/99   | 4Q/99       | 1Q/00       |
|---|---------|---------|---------|-------------|-------------|
| <b>Train 1</b>  |         |         |         |             |             |
| Planned unavailable hours   | 2.10    | 3.70    | 0.30    | 5.90        | 0           |
| Unplanned unavailable hours   | 0       | 0       | 0       | 0           | 0           |
| Fault exposure hours  | 0       | 0       | 0       | 0           | 0           |
| Effective Reset hours   | 0       | 0       | 0       | 0           | 0           |
| Required hours  | 2160.00 | 2183.00 | 2208.00 | 1662.77     | 2184.00     |
| <b>Train 2</b>  |         |         |         |             |             |
| Planned unavailable hours   | 4.00    | 1.10    | 0       | 6.00        | 0           |
| Unplanned unavailable hours   | 0       | 0       | 0       | 0           | 0           |
| Fault exposure hours  | 0       | 0       | 0       | 0           | 0           |
| Effective Reset hours   | 0       | 0       | 0       | 0           | 0           |
| Required hours  | 2160.00 | 2183.00 | 2208.00 | 1662.77     | 2184.00     |
|   |         |         |         |             |             |
| <b>Indicator value</b>  |         |         |         | <b>0.1%</b> | <b>0.1%</b> |

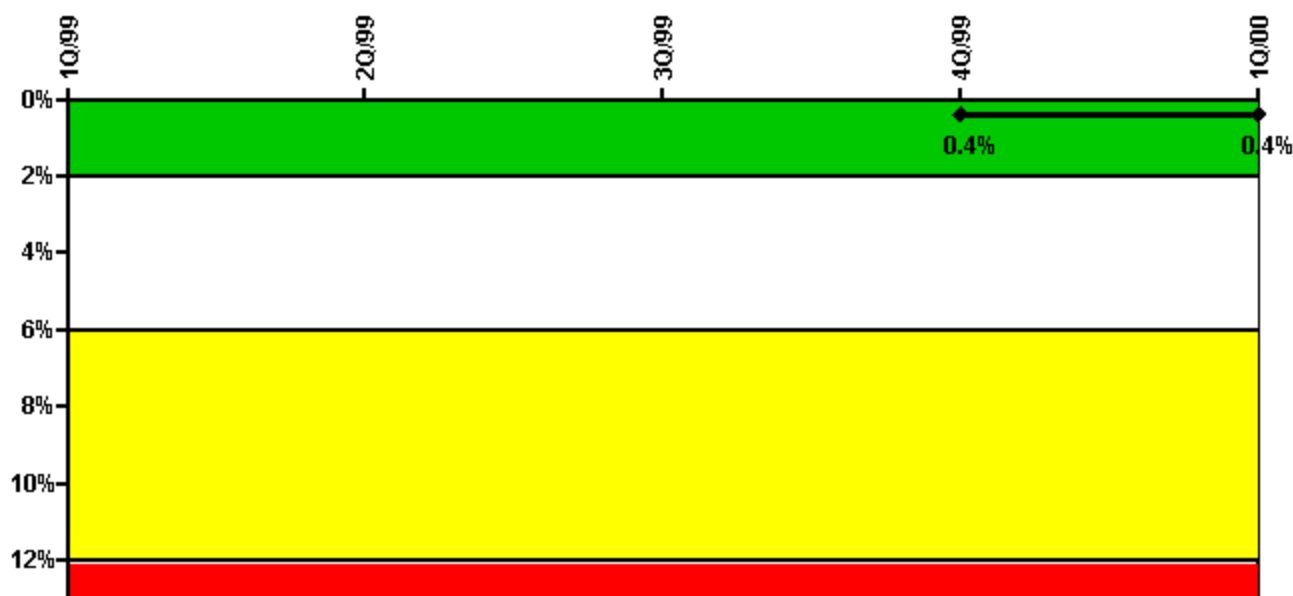
### Licensee Comments:

1Q/00: Reviews are in progress to assure that Safety System Unavailability data fully conforms to NEI 99-02, Rev. 0. Data corrections, if needed, will be submitted in accordance with NEI 99-02.

4Q/99: Hours Train Required have been revised to properly utilize default values as specified within NEI 99-02.

2Q/99: Hours Train Required revised by one hour to correctly reflect transition to daylight savings time.

## Safety System Unavailability, Heat Removal System (AFW)



**Thresholds: White > 2.0% Yellow > 6.0% Red > 12.0%**

### Notes

| Safety System Unavailability, Heat Removal System (AFW) | 1Q/99   | 2Q/99   | 3Q/99   | 4Q/99       | 1Q/00       |
|---|---------|---------|---------|-------------|-------------|
| <b>Train 1</b>  |         |         |         |             |             |
| Planned unavailable hours                               | 3.40    | 11.30   | 2.60    | 9.20        | 5.10        |
| Unplanned unavailable hours                             | 0       | 0       | 0       | 0           | 0           |
| Fault exposure hours                                    | 0       | 0       | 0       | 0           | 0           |
| Effective Reset hours                                   | 0       | 0       | 0       | 0           | 0           |
| Required hours  | 2160.00 | 2183.00 | 2208.00 | 1662.77     | 2184.00     |
| <b>Train 2</b>  |         |         |         |             |             |
| Planned unavailable hours                               | 9.40    | 5.20    | 7.30    | 0           | 11.40       |
| Unplanned unavailable hours                             | 0       | 0       | 0       | 0           | 0           |
| Fault exposure hours                                    | 0       | 0       | 0       | 0           | 0           |
| Effective Reset hours                                   | 0       | 0       | 0       | 0           | 0           |
| Required hours  | 2160.00 | 2183.00 | 2208.00 | 1662.77     | 2184.00     |
| <b>Train 3</b>  |         |         |         |             |             |
| Planned unavailable hours                               | 15.50   | 9.00    | 9.00    | 4.30        | 9.60        |
| Unplanned unavailable hours                             | 0       | 0       | 0       | 15.80       | 0           |
| Fault exposure hours                                    | 0       | 0       | 0       | 0           | 0           |
| Effective Reset hours                                   | 0       | 0       | 0       | 0           | 0           |
| Required hours  | 2160.00 | 2183.00 | 2208.00 | 1662.77     | 2184.00     |
|   |         |         |         |             |             |
| <b>Indicator value</b>                                  |         |         |         | <b>0.4%</b> | <b>0.4%</b> |

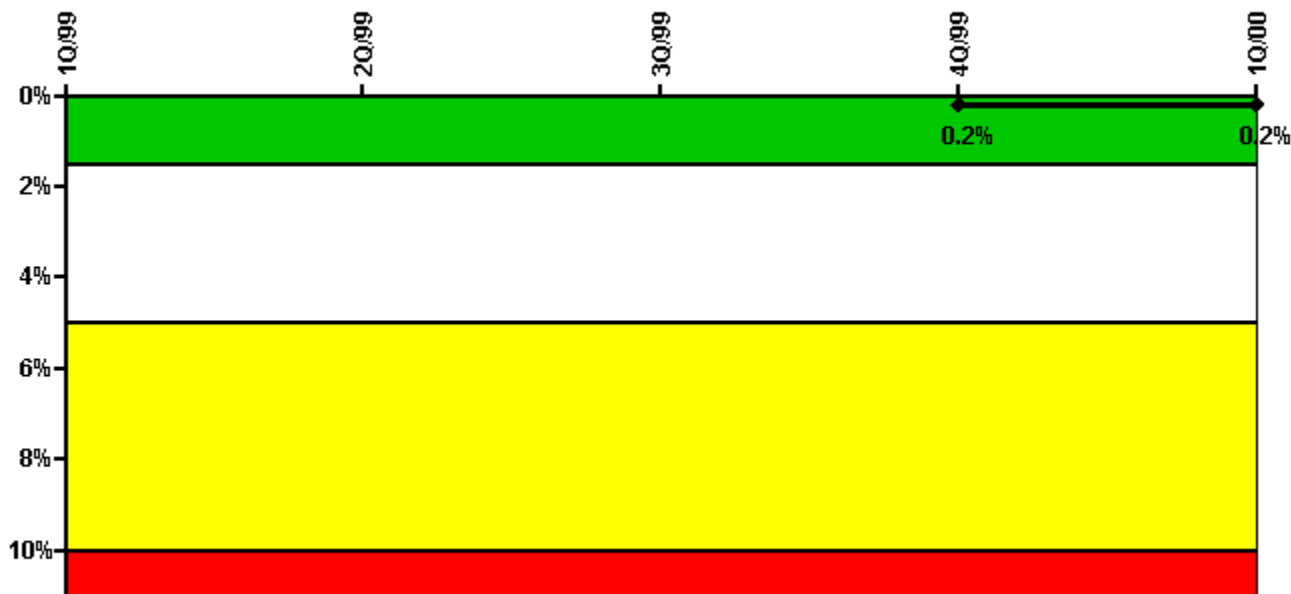
### Licensee Comments:

1Q/00: Reviews are in progress to assure that Safety System Unavailability data fully conforms to NEI 99-02, Rev. 0. Data corrections, if needed, will be submitted in accordance with NEI 99-02.

4Q/99: Hours Train Required have been revised to properly utilize default values as specified within NEI 99-02.

2Q/99: Hours Train Required revised by one hour to correctly reflect transition to daylight savings time.

### Safety System Unavailability, Residual Heat Removal System



Thresholds: White > 1.5% Yellow > 5.0% Red > 10.0%

#### Notes

| Safety System Unavailability, Residual Heat Removal System | 1Q/99   | 2Q/99   | 3Q/99   | 4Q/99       | 1Q/00       |
|--|---------|---------|---------|-------------|-------------|
| <b>Train 1</b>   |         |         |         |             |             |
| Planned unavailable hours                                  | 8.70    | 12.90   | 6.10    | 0.60        | 16.90       |
| Unplanned unavailable hours                                | 0       | 0       | 0       | 0           | 0           |
| Fault exposure hours                                       | 0       | 0       | 0       | 0           | 0           |
| Effective Reset hours                                      | 0       | 0       | 0       | 0           | 0           |
| Required hours   | 2160.00 | 2183.00 | 2208.00 | 2209.00     | 2184.00     |
| <b>Train 2</b>   |         |         |         |             |             |
| Planned unavailable hours                                  | 4.50    | 9.10    | 8.60    | 3.80        | 0.50        |
| Unplanned unavailable hours                                | 0       | 0       | 0       | 0           | 0           |
| Fault exposure hours                                       | 0       | 0       | 0       | 0           | 0           |
| Effective Reset hours                                      | 0       | 0       | 0       | 0           | 0           |
| Required hours   | 2160.00 | 2183.00 | 2208.00 | 2209.00     | 2184.00     |
|  |         |         |         |             |             |
| <b>Indicator value</b>                                     |         |         |         | <b>0.2%</b> | <b>0.2%</b> |

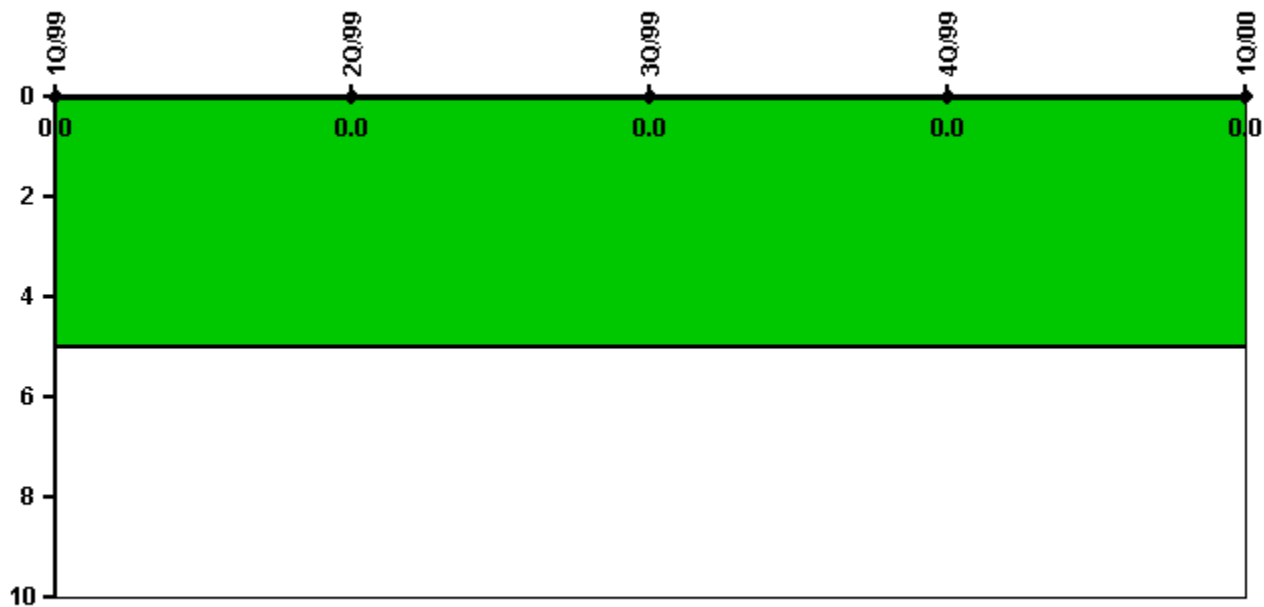
#### Licensee Comments:

1Q/00: Reviews are in progress to assure that Safety System Unavailability data fully conforms to NEI 99-02, Rev. 0. Data corrections, if needed, will be submitted in accordance with NEI 99-02.

4Q/99: Hours Train Required have been revised to properly utilize default values as specified within NEI 99-02.

2Q/99: Hours Train Required revised by one hour to correctly reflect transition to daylight savings time.

### Safety System Functional Failures (PWR)



Thresholds: White > 5.0

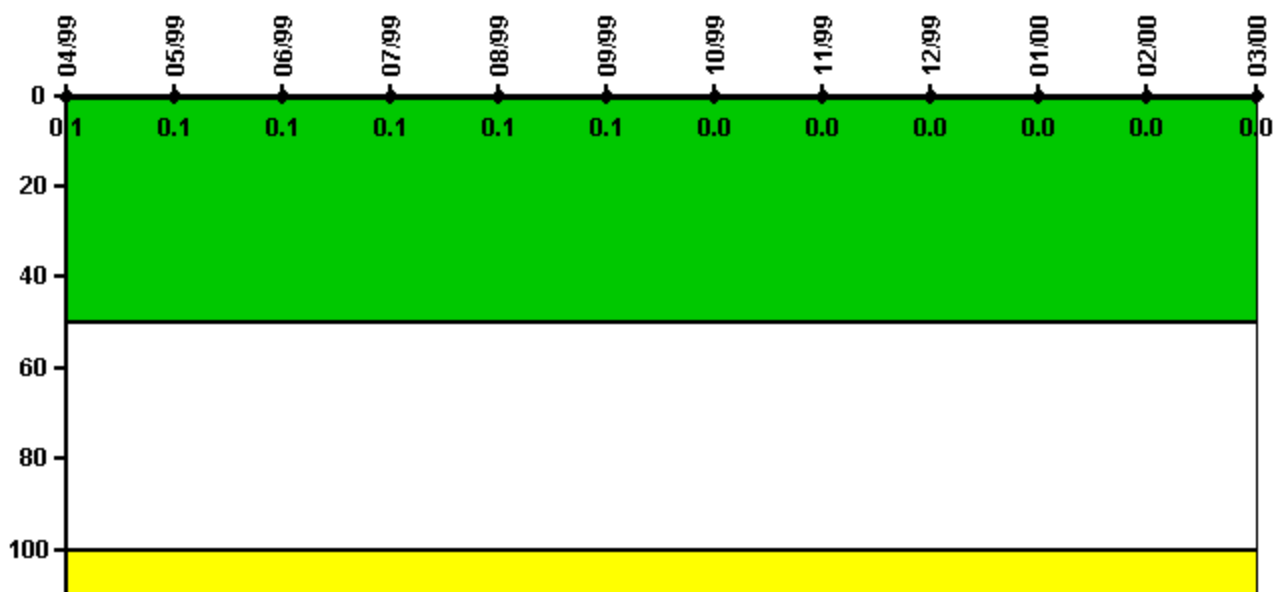
#### Notes

| Safety System Functional Failures (PWR) | 1Q/99 | 2Q/99 | 3Q/99 | 4Q/99 | 1Q/00 |
|---|-------|-------|-------|-------|-------|
| Safety System Functional Failures       | 0     | 0     | 0     | 0     | 0     |
|   |       |       |       |       |       |
| Indicator value                         | 0     | 0     | 0     | 0     | 0     |

Licensee Comments: none



### Reactor Coolant System Activity



Thresholds: White > 50.0 Yellow > 100.0

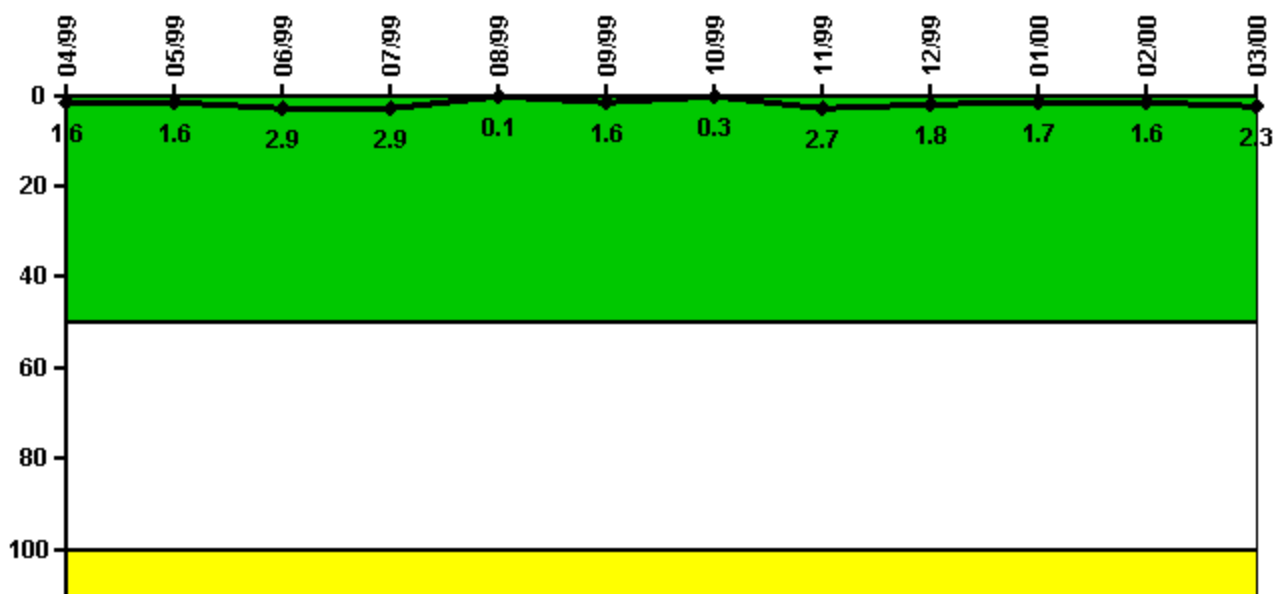
#### Notes

| Reactor Coolant System Activity | 4/99     | 5/99     | 6/99     | 7/99     | 8/99     | 9/99     | 10/99 | 11/99 | 12/99 | 1/00     | 2/00     | 3/00     |
|---------------------------------|----------|----------|----------|----------|----------|----------|-------|-------|-------|----------|----------|----------|
| Maximum activity                | 0.001000 | 0.001000 | 0.001000 | 0.001000 | 0.001000 | 0.001000 | 0     | 0     | 0     | 0.000434 | 0.000454 | 0.000458 |
| Technical specification limit   | 1.0      | 1.0      | 1.0      | 1.0      | 1.0      | 1.0      | 1.0   | 1.0   | 1.0   | 1.0      | 1.0      | 1.0      |
|                                 |          |          |          |          |          |          |       |       |       |          |          |          |
| Indicator value                 | 0.1      | 0.1      | 0.1      | 0.1      | 0.1      | 0.1      | 0     | 0     | 0     | 0        | 0        | 0        |

Licensee Comments:

3/00: Corrected data provided for 1/2000; this is a minor change to improve accuracy which does not affect the indicator value.

### Reactor Coolant System Leakage



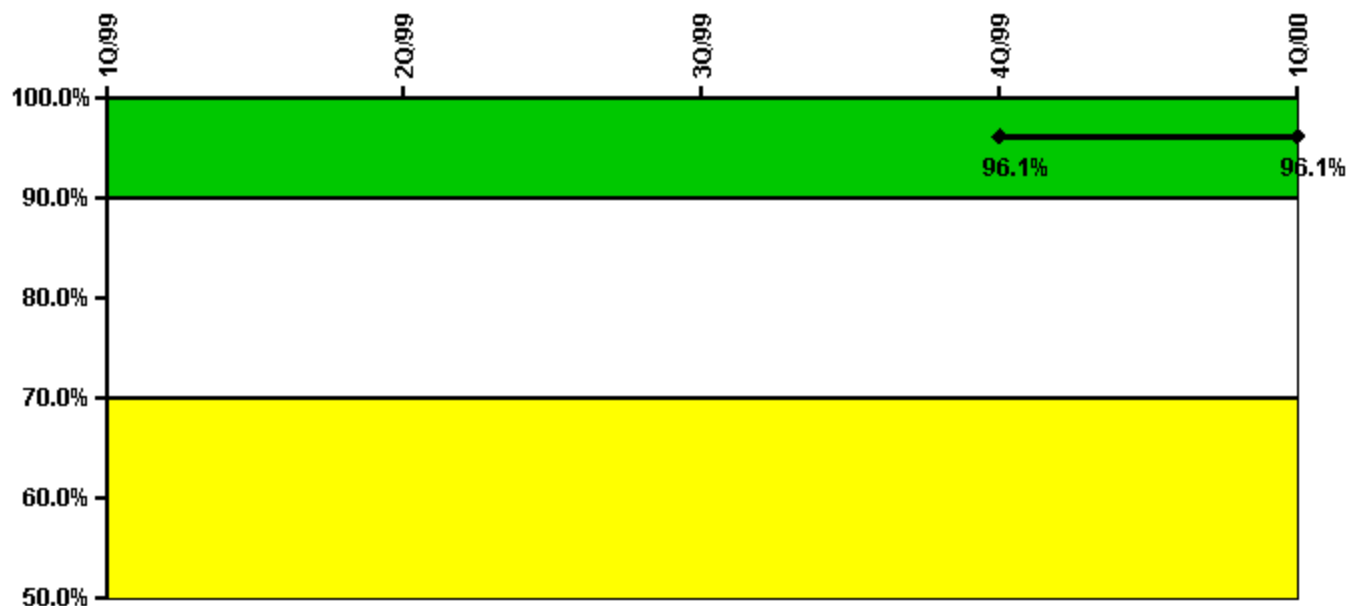
Thresholds: White > 50.0 Yellow > 100.0

#### Notes

| Reactor Coolant System Leakage | 4/99  | 5/99  | 6/99  | 7/99  | 8/99  | 9/99  | 10/99 | 11/99 | 12/99 | 1/00  | 2/00  | 3/00  |
|--------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Maximum leakage                | 0.160 | 0.160 | 0.290 | 0.290 | 0.010 | 0.160 | 0.030 | 0.270 | 0.180 | 0.171 | 0.163 | 0.231 |
| Technical specification limit  | 10.0  | 10.0  | 10.0  | 10.0  | 10.0  | 10.0  | 10.0  | 10.0  | 10.0  | 10.0  | 10.0  | 10.0  |
|                                |       |       |       |       |       |       |       |       |       |       |       |       |
| Indicator value                | 1.6   | 1.6   | 2.9   | 2.9   | 0.1   | 1.6   | 0.3   | 2.7   | 1.8   | 1.7   | 1.6   | 2.3   |

Licensee Comments: none

### Drill/Exercise Performance



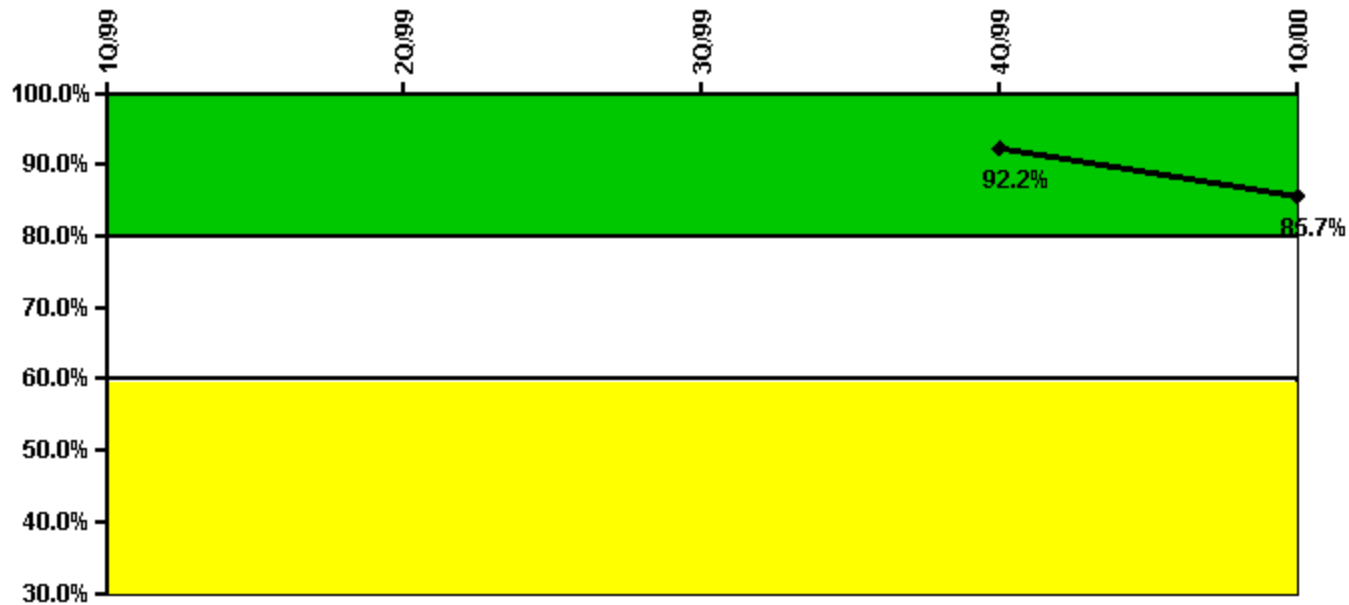
Thresholds: White < 90.0% Yellow < 70.0%

### Notes

| Drill/Exercise Performance | 1Q/99 | 2Q/99 | 3Q/99 | 4Q/99 | 1Q/00 |
|----------------------------|-------|-------|-------|-------|-------|
| Successful opportunities   | 10.0  | 19.0  | 15.0  | 33.0  | 0     |
| Total opportunities        | 11.0  | 20.0  | 15.0  | 35.0  | 0     |
|                            |       |       |       |       |       |
| Indicator value            |       |       |       | 96.1% | 96.1% |

Licensee Comments: none

### ERO Drill Participation



Thresholds: White < 80.0% Yellow < 60.0%

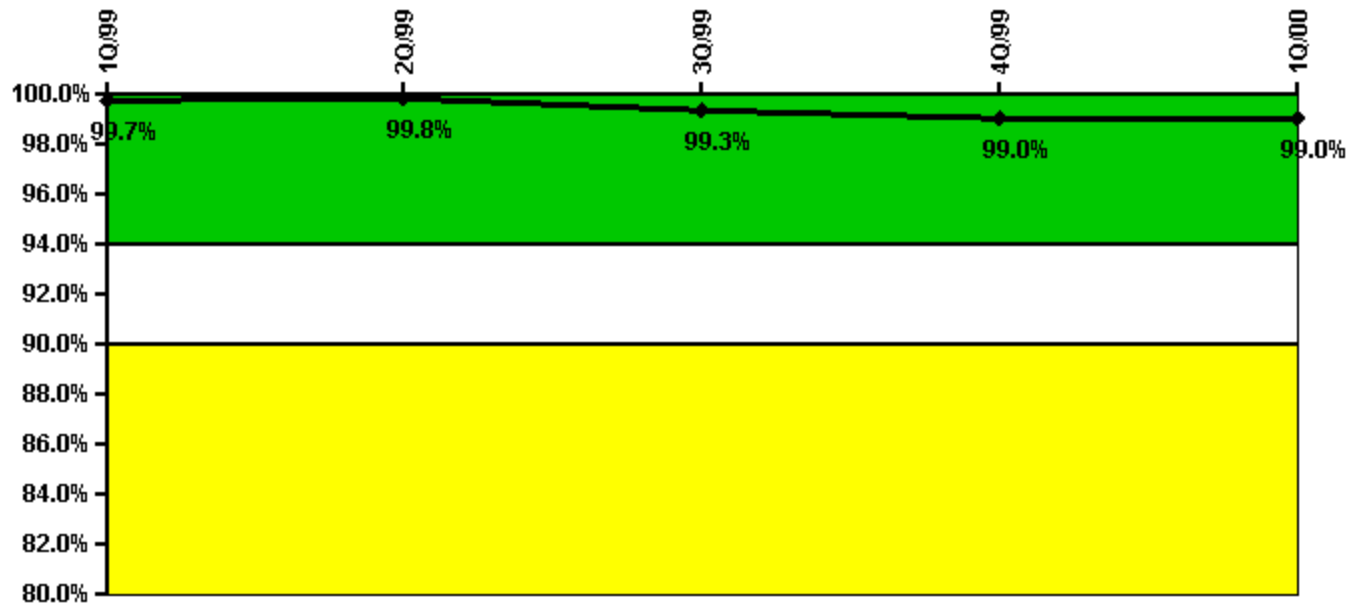
#### Notes

| ERO Drill Participation     | 1Q/99 | 2Q/99 | 3Q/99 | 4Q/99 | 1Q/00 |
|-----------------------------|-------|-------|-------|-------|-------|
| Participating Key personnel |       |       |       | 107.0 | 54.0  |
| Total Key personnel         |       |       |       | 116.0 | 63.0  |
|                             |       |       |       |       |       |
| Indicator value             |       |       |       | 92.2% | 85.7% |

Licensee Comments:

1Q/00: Corrected data provided to reflect revisions to the number of Key ERO Members.

### Alert & Notification System



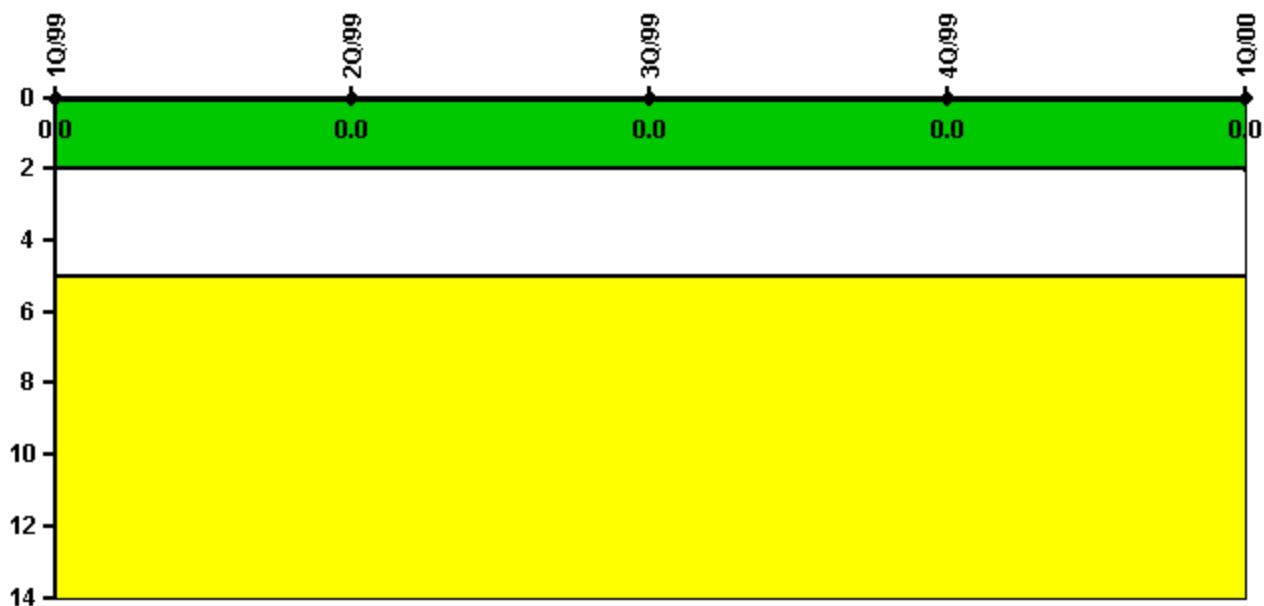
Thresholds: White < 94.0% Yellow < 90.0%

#### Notes

| Alert & Notification System | 1Q/99 | 2Q/99 | 3Q/99 | 4Q/99 | 1Q/00 |
|-----------------------------|-------|-------|-------|-------|-------|
| Successful siren-tests      | 628   | 629   | 617   | 666   | 627   |
| Total sirens-tests          | 630   | 630   | 630   | 675   | 630   |
|                             |       |       |       |       |       |
| Indicator value             | 99.7% | 99.8% | 99.3% | 99.0% | 99.0% |

Licensee Comments: none

### Occupational Exposure Control Effectiveness

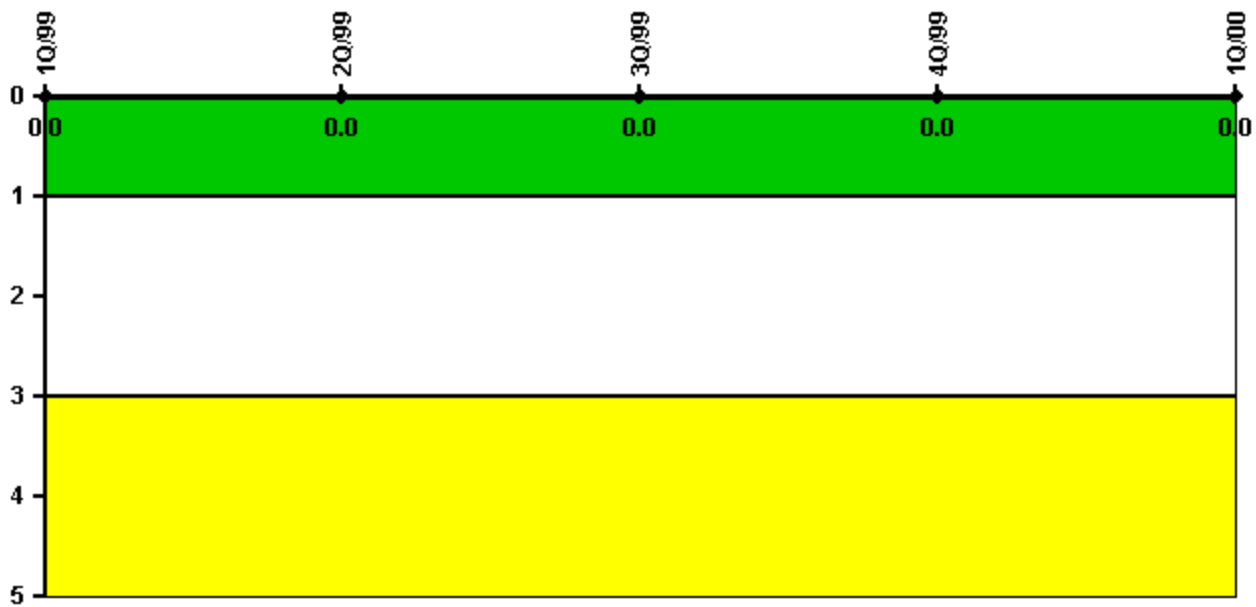


Thresholds: White > 2.0 Yellow > 5.0

#### Notes

| Occupational Exposure Control Effectiveness | 1Q/99 | 2Q/99 | 3Q/99 | 4Q/99 | 1Q/00 |
|---|-------|-------|-------|-------|-------|
| High radiation area occurrences             | 0     | 0     | 0     | 0     | 0     |
| Very high radiation area occurrences        | 0     | 0     | 0     | 0     | 0     |
| Unintended exposure occurrences             | 0     | 0     | 0     | 0     | 0     |
| Indicator value                             | 0     | 0     | 0     | 0     | 0     |

Licensee Comments: none

**RETS/ODCM Radiological Effluent**

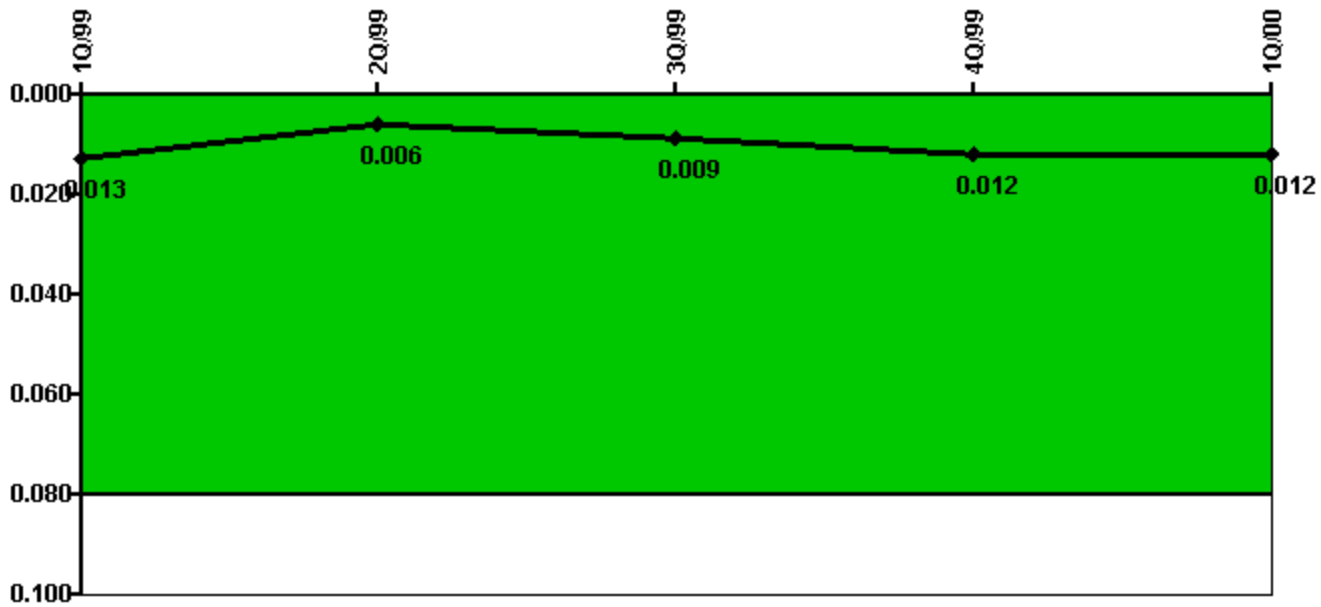
Thresholds: White > 1.0 Yellow > 3.0

**Notes**

| RETS/ODCM Radiological Effluent | 1Q/99 | 2Q/99 | 3Q/99 | 4Q/99 | 1Q/00 |
|---------------------------------|-------|-------|-------|-------|-------|
| RETS/ODCM occurrences           | 0     | 0     | 0     | 0     | 0     |
|                                 |       |       |       |       |       |
| Indicator value                 | 0     | 0     | 0     | 0     | 0     |

Licensee Comments: none

### Protected Area Security Performance Index



Thresholds: White > 0.080

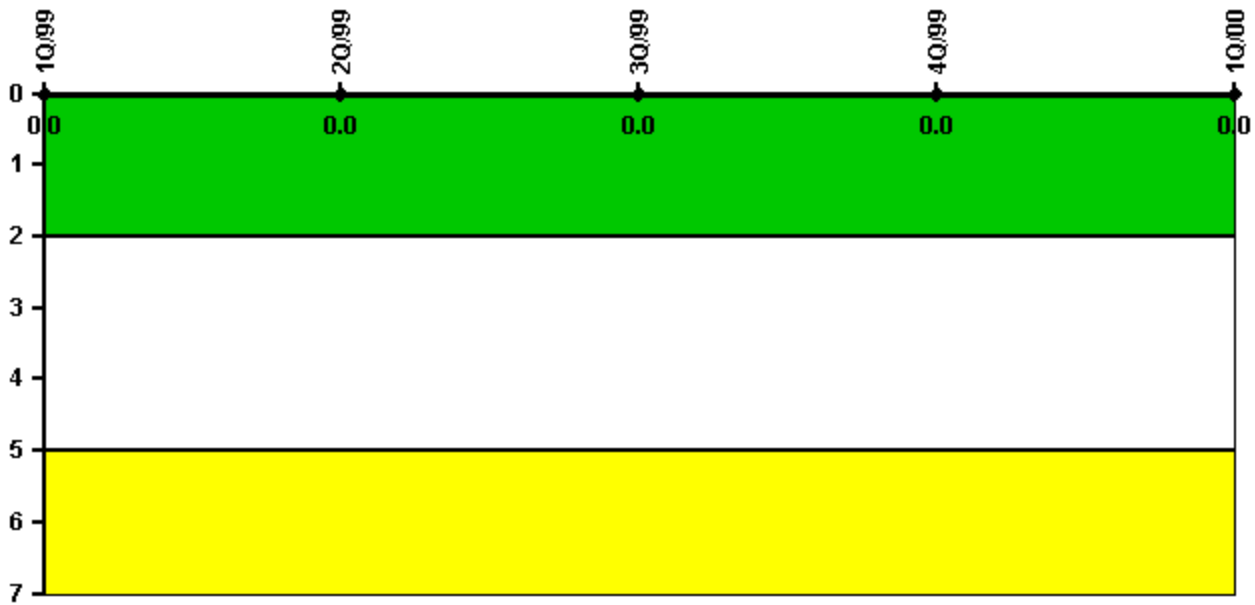
#### Notes

| Protected Area Security Performance Index | 1Q/99 | 2Q/99 | 3Q/99  | 4Q/99  | 1Q/00 |
|---|-------|-------|--------|--------|-------|
| IDS compensatory hours                    | 35.70 | 42.50 | 123.51 | 107.98 | 32.93 |
| CCTV compensatory hours                   | 11.1  | 0     | 0      | 0.4    | 1.0   |
| IDS normalization factor                  | 1.60  | 1.60  | 1.60   | 1.50   | 1.50  |
| CCTV normalization factor                 | 1.6   | 1.6   | 1.6    | 1.6    | 1.1   |
|   |       |       |        |        |       |
| Index Value                               | 0.013 | 0.006 | 0.009  | 0.012  | 0.012 |

Licensee Comments: none



### Personnel Screening Program



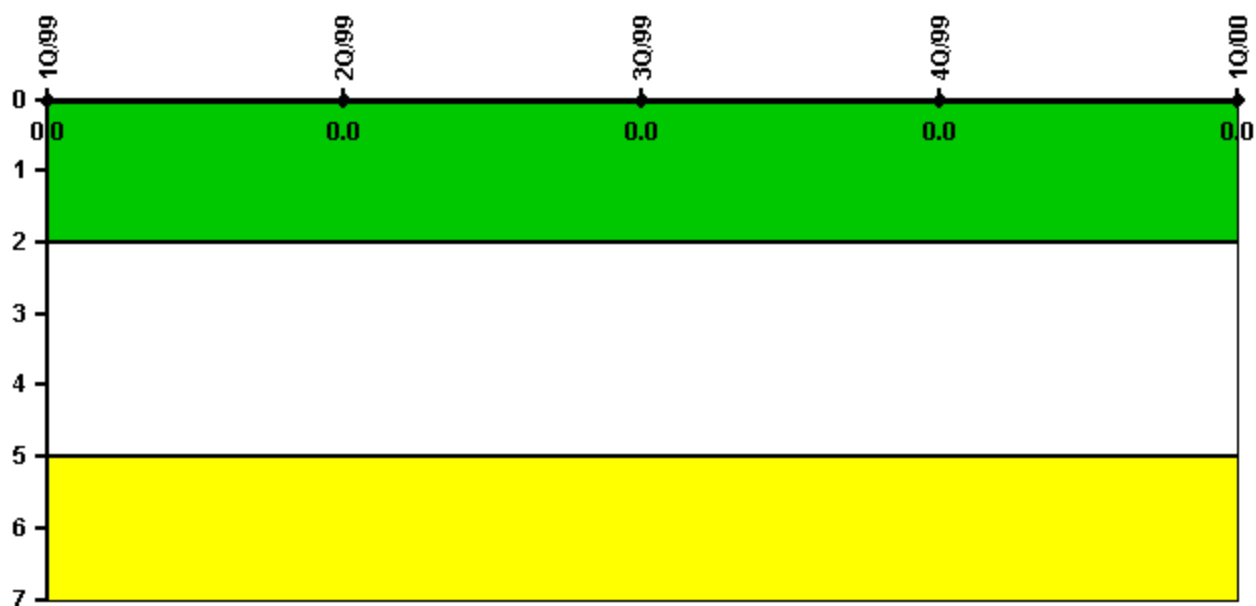
Thresholds: White > 2.0 Yellow > 5.0

#### Notes

| Personnel Screening Program | 1Q/99 | 2Q/99 | 3Q/99 | 4Q/99 | 1Q/00 |
|-----------------------------|-------|-------|-------|-------|-------|
| Program failures            | 0     | 0     | 0     | 0     | 0     |
|                             |       |       |       |       |       |
| Indicator value             | 0     | 0     | 0     | 0     | 0     |

Licensee Comments: none

### FFD/Personnel Reliability



Thresholds: White > 2.0 Yellow > 5.0

#### Notes

| FFD/Personnel Reliability | 1Q/99 | 2Q/99 | 3Q/99 | 4Q/99 | 1Q/00 |
|---------------------------|-------|-------|-------|-------|-------|
| Program Failures          | 0     | 0     | 0     | 0     | 0     |
|                           |       |       |       |       |       |
| Indicator value           | 0     | 0     | 0     | 0     | 0     |

Licensee Comments: none



[PI Summary](#) | [Inspection Findings Summary](#) | [Reactor Oversight Process](#)

Last Modified: April 1, 2002